

AMENDED CLAIMS

[received by the International Bureau on 10 February 2006 (10.02.06);
original claims 1-6 and 8-10 amended ; remaining claims unchanged]

1. (amended) A color filter with a retardation layer comprising:

a substrate;

a colored layer comprising a plurality of rows of light transmissive patterns, whose thickness differs according to its color, formed on the substrate,

a first retardation layer formed as one continuous layer, on the colored layer, made of a liquid crystalline polymer, having an optical axis perpendicular to a plane of the substrate so as to function as a C plate; and

a second retardation layer formed on an opposite side of the substrate to a side with the colored layer formed, or between the substrate and the colored layer, having an optical axis parallel to the plane of the substrate so as to function as a positive A plate having a positive refractive index anisotropy,

characterized in that a refractive index anisotropy of the second retardation layer in a visible light range becomes smaller with a shorter wavelength.

2. (amended) The color filter with a retardation layer according to claim 1, characterized in that a total of a thickness of the colored layer and a thickness of the first retardation layer is constant, and the thickness of the first retardation layer differs according to a thickness of the light transmissive pattern.

3. (amended) The color filter with a retardation layer according to claim 1 or 2, characterized in that the colored layer comprises the light transmissive patterns of three colors including red, green and blue, and thicknesses of the light transmissive patterns for the three colors are provided in an order of red > green > blue.

4. (amended) The color filter with a retardation layer according to claim 1 or 2, characterized in that the colored layer comprises the light transmissive patterns of three colors including red, green and blue, and thicknesses of the light transmissive patterns for the three colors may be provided in an order of blue > green > red.

5. (amended) A liquid crystal display comprising:

a first polarizing plate and a second polarizing plate with absorption axes provided orthogonal with each other;

a color filter comprising a substrate, a colored layer comprising a plurality of rows of light transmissive patterns, whose thickness differs according to its color, formed on the substrate, a first retardation layer formed as one continuous layer, on the colored layer, made of a liquid crystalline polymer, having an optical axis perpendicular to a plane of the substrate so as to function as a C plate, provided between the first polarizing plate and the second polarizing plate;

a second retardation layer, having an optical axis parallel to the plane of the substrate so as to function as a positive

A plate having a positive refractive index anisotropy; and
a liquid crystal layer,
characterized in that the first polarizing plate, the
second retardation layer, the first retardation layer and the
second polarizing plate are formed in this order such that the
optical axis of the second retardation layer and an absorption
axis of the first polarizing plate are disposed substantially
perpendicularly, and a refractive index anisotropy of the second
retardation layer in a visible light range becomes smaller with
a shorter wavelength.

6. (amended) The liquid crystal display according to claim
5, characterized in that the liquid crystal layer is formed between
the color filter and the second polarizing plate, and the second
retardation layer is formed on an opposite side of the substrate
to a side with the colored layer of the color filter formed,
or between the substrate of the color filter and the colored
layer.

7. The liquid crystal display according to claim 5,
characterized in that the liquid crystal layer is formed between
the second retardation layer and the color filter.

8. (amended) The liquid crystal display according to any
one of claims 5 to 7, characterized in that a total of a thickness
of the colored layer and a thickness of the first retardation
layer is constant, and the thickness of the first retardation

layer differs according to a thickness of the light transmissive pattern.

9. (amended) The liquid crystal display according to any one of claims 5 to 8, characterized in that the colored layer comprises the light transmissive patterns of three colors including red, green and blue, and thicknesses of the light transmissive patterns for the three colors are provided in an order of red > green > blue.

10. (amended) The liquid crystal display according to any one of claims 5 to 8, characterized in that the colored layer comprises the light transmissive patterns of three colors including red, green and blue, and thicknesses of the light transmissive patterns for the three colors are provided in an order of blue > green > red.